

TABLE 3

**GROUNDWATER ANALYTICAL DATA: VOCs by EPA Method 524.2**  
**SUNOCO SERVICE STATION**  
**336 GREAT ROAD, ACTON, MA**

Sample ID	Sample Date	Acetone ( $\mu\text{g/L}$ )	Benzene ( $\mu\text{g/L}$ )	Toluene ( $\mu\text{g/L}$ )	Ethyli- benzene ( $\mu\text{g/L}$ )	Total Xylenes ( $\mu\text{g/L}$ )	MTBE ( $\mu\text{g/L}$ )	Naph- thalene ( $\mu\text{g/L}$ )	n-Propyl benzene ( $\mu\text{g/L}$ )	cis-1,2- Dichloro ethane ( $\mu\text{g/L}$ )	1,2- Dichloro methane ( $\mu\text{g/L}$ )	cis-1,2- Dichloro ethene ( $\mu\text{g/L}$ )	n-Butyl benzene ( $\mu\text{g/L}$ )	sec-Butyl benzene ( $\mu\text{g/L}$ )	1,2- Dichloro benzene ( $\mu\text{g/L}$ )	Vinyl Chloride ( $\mu\text{g/L}$ )	trans-1,2- Dichloro ethene ( $\mu\text{g/L}$ )	
GES-1	11/09/2006	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
GW-1/GW-3	11/09/2006	--	1.6	<0.5	<0.5	<1.0	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	<0.5	0.6	0.7	4.7	2.1
GW-1/GW-2/GW-3	05/08/2007	1.1	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5
GW-1/GW-2/GW-3	11/14/2007	<3.0	0.2	<0.1	<0.1	1.5	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1
GES-4	11/14/2007	21	57	0.3	1.1	0.4	250	<1.0	1.8	1.2	2.7	<1.0	0.7	0.5	0.7	<1.0	<1.0	<1.0
GW-1/GW-3	11/09/2006	--	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GES-5	11/09/2006	--	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GW-1/GW-3	EEG-2	--	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GW-1/GW-2/GW-3	05/08/2007	<5.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GW-1/GW-2/GW-3	11/14/2007	<3.0	<0.1	<0.1	<0.1	<0.3	0.9	<0.2	<0.1	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.5	<0.5	<0.5
MW-3D	03/21/2008	<3.0	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1
GW-1/GW-2/GW-3	03/21/2008	22	<0.1	<0.1	<0.1	0.4	0.6	<0.2	<0.1	<0.1	0.1	<0.2	280	<0.1	0.5	0.4	0.7	0.4
MW-5	11/09/2006	--	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
GW-1/GW-3	11/09/2006	--	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MCP Method 1 GW-1 Standard		6,300	5	1,000	700	10,000	70	140	NE	NE	NE	NE	NE	70	NE	2,000	2	100
MCP Method 1 GW-2 Standard		50,000	2,000	50,000	20,000	30,000	1,000	1,000	1,000	20,000	50,000	50,000	100	NE	2,000	2	90	5
MCP Method 1 GW-3 Standard		50,000	10,000	40,000	5,000	5,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	NE	2,000	50,000	50,000
Town of Acton GW Cleanup Standard		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

## NOTES:

Concentration expressed in  $\mu\text{g/L}$ .

NA = Not Applicable

NE = Not Established

- Not Analyzed

Town of Acton GW Cleanup Standard per Bylaws of the Town of Acton, Chapter R, April 2005

or where an MCLG has not been promulgated ( $5 \mu\text{g/L}$  total for all such VOCs).

Exceedance denotes an exceedance of the applicable groundwater standard.